

10630740
STN Search

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(FILE 'HOME' ENTERED AT 14:35:05 ON 27 MAR 2006)

FILE 'REGISTRY' ENTERED AT 14:35:26 ON 27 MAR 2006

L1 0 S (##LYSINE OR ##LYS)
L2 108434 S LYSINE
L3 97262 S L-LYSINE
L4 322 S L3 AND AMINO ACID
L5 0 S HYDROXYDIAMINOPIMELIC
L6 0 S ?HYDORXYDIAMINOPIMELIC?
L7 273 S DAPA
L8 125 S CITE
L9 359 S DIHYDRODIPICOLINATE SYNTHASE — 853964-89-3/RN
L10 0 S L9 AND CORYNEFORM
L11 6 S L9 AND (CORYNE? OR CORYNEBACTE? OR BREVIBAC?)
L12 0 S HYDROXYDIAMINOPIMELIC
L13 0 S OXODIAMINOPIMELIC
L14 0 S ?OXODIAMINOPIMELIC ACID
L15 1 S TRIAMINOPIMELIC ACID — 48065-37-8/RN 2,4,6-Triaminopi-
L16 0 S FLUORODIAMINOPIMELIC melic acid

FILE 'CAPLUS' ENTERED AT 14:47:03 ON 27 MAR 2006

L17 15280 S (CORYMEFORM? OR CORYNEBACTER? OR BREVIBACTER?)
L18 102096 S LYSINE
L19 2088 S DIAMINOPIMELIC ACID

FILE 'REGISTRY' ENTERED AT 14:48:58 ON 27 MAR 2006

L20 48 S DIAMINOPIMELIC

FILE 'CAPLUS' ENTERED AT 14:49:52 ON 27 MAR 2006

L21 1370 S L20
L22 8 S L15
L23 54 S L17 AND L18 AND L19
L24 33 S L23 AND L21
L25 21 S L24 AND (PROD? OR PROCESS)

=> d L25 1-21

L25 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1332754 CAPLUS

DN 144:190664

TI Amplified expression of fructose 1,6-bisphosphatase in
Corynebacterium glutamicum increases in vivo flux through the
pentose phosphate pathway and lysine production on
different carbon sources

AU Becker, Judith; Klopprogge, Corinna; Zelder, Oskar; Heinzle, Elmar;
Wittmann, Christoph

CS Biochemical Engineering, Saarland University, Saarland, Germany

SO Applied and Environmental Microbiology (2005) 71(12), 8587-8596

CODEN: AEMIDF; ISSN: 0099-2240

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1121437 CAPLUS

DN 142:215001

TI Metabolic fluxes in Corynebacterium glutamicum during

lysine production with sucrose as carbon source
AU Wittmann, Christoph; Kiefer, Patrick; Zelder, Oskar
CS Biochemical Engineering, Saarland University, Saarbruecken, Germany
SO Applied and Environmental Microbiology (2004) 70(12), 7277-7287
CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:120993 CAPLUS
DN 140:162440
TI Production of L-lysine using Corynebacterium
glutamicum mutants resistant to diaminopimelic acid
analogues
IN Bathe, Brigitte; Hans, Stephan; Pfefferle, Walter
PA Degussa AG, Germany
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA English

*in grant
Application*

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004013341	A1	20040212	WO 2003-EP7474	20030710
	DE 10235028	A1	20040219	DE 2002-10235028	<u>20020731</u>
	AU 2003244081	A1	20040223	AU 2003-244081	20030710
	EP 1525321	A1	20050427	EP 2003-766147	20030710
	CN 1671854	A	20050921	CN 2003-818087	20030710
	US 2004067562	A1	20040408	US 2003-630740	<u>20030731</u>
PRAI	DE 2002-10235028	A	20020731		
	US 2002-401751P	P	20020808		
	WO 2003-EP7474	W	20030710		

L25 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:120992 CAPLUS
DN 140:162439
TI Prodn. of L-lysine using Corynebacterium
glutamicum mutants sensitive to diaminopimelic acid
analogues
IN Bathe, Brigitte; Reynen, Caroline; Pfefferle, Walter
PA Degussa AG, Germany
SO PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

*Same Application
1 day earlier*

↑ other

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004013340	A2	20040212	WO 2003-EP7475	20030710
	WO 2004013340	A3	20040325		
	DE 10235029	A1	20040219	DE 2002-10235029	20020731
	AU 2003250933	A1	20040223	AU 2003-250933	20030710
	EP 1525322	A2	20050427	EP 2003-766148	20030710
	CN 1671853	A	20050921	CN 2003-818086	20030710
	US 2004067561	A1	20040408	<u>US 2003-629551</u>	<u>20030730</u>
PRAI	DE 2002-10235029	A	20020731		
	US 2002-401752P	P	20020808		
	WO 2003-EP7475	W	20030710		

L25 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:157523 CAPLUS

DN 120:157523

TI Cloning and expression of gene for diaminopimelic acid
dehydrogenase of *Brevibacterium flavum*

IN Kobayashi, Miki; Kohama, Keiko; Kurusu, Yasuro; Yugawa, Hideaki

PA Mitsubishi Petrochemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05284970	A2	19931102	JP 1992-85167	19920407
PRAI	JP 1992-85167		19920407		

L25 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:467691 CAPLUS

DN 119:67691

TI Flux partitioning in the split pathway of lysine synthesis in
Corynebacterium glutamicum. Quantification by carbon-13 and proton
NMR spectroscopy

AU Sonntag, Kirsten; Eggeling, Lothar; De Graaf, Albert A.; Sahm, Hermann

CS Inst. Biotechnol., Forschungszent. Juelich, Juelich, W-5170, Germany

SO European Journal of Biochemistry (1993) 213(3), 1325-31

CODEN: EJBCAI; ISSN: 0014-2956

DT Journal

LA English

L25 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:22402 CAPLUS

DN 114:22402

TI Threonine production by dihydrodipicolinate synthase-defective
mutants of *Brevibacterium flavum*

AU Shio, Isamu

CS Cent. Res. Lab., Ajinomoto Co., Inc., Kawasaki, 210, Japan

SO Biotechnology Advances (1990) 8(1), 97-103

CODEN: BIADDD; ISSN: 0734-9750

DT Journal

LA English

L25 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:131936 CAPLUS

DN 110:131936

TI Threonine production by dihydrodipicolinate synthase-defective
mutants of *Brevibacterium flavum*

AU Shio, Isamu; Yokota, Atsushi; Toride, Yasuhiko; Sugimoto, Shinichi

CS Cent. Res. Lab., Ajinomoto Co., Inc., Kawasaki, 210, Japan

SO Agricultural and Biological Chemistry (1989) 53(1), 41-8

CODEN: ABCHA6; ISSN: 0002-1369

DT Journal

LA English

L25 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:559125 CAPLUS

DN 103:159125

TI L-Lysine production from culture of recombinant
microorganisms

PA Ajinomoto Co., Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60062994	A2	19850411	JP 1984-169897	19840816
	JP 06091829	B4	19941116		
PRAI	US 1983-525993	A	19830824		

L25 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:126634 CAPLUS

DN 102:126634

TI DNA fragment containing diaminopimelate decarboxylase gene

PA Ajinomoto Co., Inc.; Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59210887	A2	19841129	JP 1983-75560	19830428
	JP 04041996	B4	19920710		
PRAI	JP 1983-75560		19830428		

L25 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:422082 CAPLUS

DN 97:22082

TI Microbiological preparation of L-lysine

IN Sakse, A.; Ruklisa, M.; Viesturs, U.; Leite, M.; Klavina, S.; Svinka, J.; Bekers, M.; Selga, S.

PA Kirhensteins, A., Institute of Microbiology, USSR

SO Fr. Demande, 16 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2488273	A1	19820212	FR 1980-17480	19800807
	FR 2488273	B1	19840224		
PRAI	FR 1980-17480	A	19800807		

L25 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:512357 CAPLUS

DN 83:112357

TI L-.epsilon.-N-Acetyllysine by fermentation

IN Vandecasteele, Jean P.; Lapeyronnie, Michele; Lemal, Jeannine; Coudert, Michele

PA Institut Francais du Petrole, des Carburants et Lubrifiants, Fr.

SO Fr. Demande, 4 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2236936	A1	19750207	FR 1973-16741	19730509
	FR 2236936	B1	19760423		

PRAI FR 1973-16741

A

19730509

L25 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1975:407141 CAPLUS

DN 83:7141

TI Production of lysine derivatives by fermentation

IN Coudert, Michele; Vandecasteele, Jean P.

PA Institut Francais du Petrole, des Carburants et Lubrifiants, Fr.

SO Fr. Demande, 6 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2228837	A1	19741206	FR 1973-16742	19730509
	FR 2228837	B1	19760423		
PRAI	FR 1973-16742	A	19730509		

L25 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:472819 CAPLUS

DN 75:72819

TI Use of .alpha.,.epsilon.-diaminopimelic acid by
lysine-producing microorganisms

AU Ozolins, P.

CS Inst. Mikrobiol. im. Kirhensteina, Riga, USSR

SO Poluch. Primen. Aminokislot, Mater. Vses. Soveshch. (1970), Meeting Date
1968, 71-5. Editor(s): Kukain, R. A. Publisher: "Zinatne", Riga, Latv.
SSR.

CODEN: 23OZAS

DT Conference

LA Russian

L25 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:430500 CAPLUS

DN 75:30500

TI Allosteric properties of meso-.alpha.,.epsilon.-diaminopimelic
acid decarboxylase in a lysine-accumulating strain of
Brevibacterium 22

AU Kagan, Z. S.; Ignat'eva, L. I.

CS Vses. Nauchno-Issled. Vitam. Inst., Moscow, USSR

SO Doklady Akademii Nauk SSSR (1971), 197(5), 1196-9 [Biochem]

CODEN: DANKAS; ISSN: 0002-3264

DT Journal

LA Russian

L25 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:403957 CAPLUS

DN 75:3957

TI Procedure of decarboxylating diaminopimelic acid to
produce L-lysine

AU Safonova, N. V.; Volkova, M. V.; Kotova, G. A.; Gololobov, A. D.

CS All-Union Res. Inst. Biosynth. Protein Substances, Moscow, USSR

SO Prikladnaya Biokhimiya i Mikrobiologiya (1971), 7(2), 145-9

CODEN: PBMIAK; ISSN: 0555-1099

DT Journal

LA Russian

L25 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:39601 CAPLUS

DN 74:39601

TI Production of .alpha.,.epsilon.-diaminopimelic
acid by lysine auxotrophs of various bacteria
AU Kase, Hiroshi; Nakayama, Kiyoshi
CS Tokyo Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Tokyo, Japan
SO Nippon Nogei Kagaku Kaishi (1970), 44(10), 457-62
CODEN: NNKKAA; ISSN: 0002-1407
DT Journal
LA Japanese

L25 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1970:11410 CAPLUS
DN 72:11410
TI ~~Production of diaminopimelic acid~~
PA Kyowa Fermentation Industry Co., Ltd.
SO Fr., 4 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1556992		19690214	FR	19670825
	JP 44014791		19690000	JP	
	US 3719561		19730306	US	19680807
PRAI	JP		19660826		

L25 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1969:469317 CAPLUS
DN 71:69317
TI Formation of lysine from .alpha.,.delta.-diaminopimelic
acid by a culture of Brevibacterium 22
AU Ozolins, R.; Roze, I.
CS USSR
SO Aminokisloty Mikrobnogo Sin. (1968), 67-74. Editor(s): Bekers, M.
Publisher: Izd. "Zinatne", Riga, USSR.
CODEN: 21DBAN
DT Conference
LA Russian

L25 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1969:95458 CAPLUS
DN 70:95458
TI Diaminopimelic acid by bacterial fermentation
PA Kyowa Fermentation Industry Co., Ltd.
SO Fr., 3 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1514016		19680216	FR 1967-98560	19670313
PRAI	JP		19660314		

L25 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1956:16547 CAPLUS
DN 50:16547
OREF 50:3508a-e
TI Stereoisomers of .alpha.,.epsilon.-diaminopimelic acid
: their distribution in nature and behavior towards certain enzyme
preparations

AU Hoare, D. S.; Work, Elizabeth
CS Univ. Coll. Hosp. Med. School, London, UK
SO Biochemical Journal (1955), 61, 562-8
CODEN: BJJOAK; ISSN: 0264-6021
DT Journal
LA English